

CLAIMS

1. A polynucleotide comprising the nucleotide sequence shown in SEQ ID NO: 2 or a part thereof.
2. A polynucleotide comprising a nucleotide sequence shown in SEQ ID NO: 2, in which one or a few nucleotides are deleted, substituted, or added, comprising a nucleotide sequence contained in the nucleotide sequence of the sense strand of the PDGF receptor α gene or a part thereof.
3. A polynucleotide comprising a nucleotide sequence complementary to the polynucleotide or part thereof of claim 1 or 2.
4. A method for suppressing expression of PDGF receptor α comprising targeting mRNA including exon 1 β among mRNAs of the PDGF receptor α gene.
5. The method of claim 4, wherein antisense nucleotides, a ribozyme, a maxizyme, or an RNAi is used.
6. The method of claim 4, wherein DNA that encodes an antisense RNA, a ribozyme, a maxizyme, or an RNAi is used.
7. A substance for suppressing expression of PDGF receptor α comprising targeting mRNA containing exon 1 β among mRNAs of the PDGF receptor α gene.
8. The substance of claim 7, which is antisense nucleotides, a ribozyme, a maxizyme, or an RNAi.
9. The substance of claim 7, which is a DNA that encodes an antisense RNA, a ribozyme, a maxizyme, or an RNAi.
10. An agent for suppressing expression of PDGF receptor α

comprising the substance of claim 7 as an active ingredient.

11. A therapeutic agent for cancer comprising the agent of claim 10.

12. A therapeutic method for cancer, wherein the agent of claim 10 is used.